Amendments to the Claims:

Claim 12 has been amended herein. Please note that all claims currently pending and under consideration in the referenced application are shown below. Please enter these claims as amended. This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-11. (Canceled)

12. (Currently amended) A powder system for use in solid freeform fabrication, consisting essentially of:

at least one first polymer powder having reactive properties and at least one second polymer powder having fusible properties, wherein the at least one first polymer comprises at least one reactive polymer and wherein the at least one second polymer comprises at least one fusible polymer, the at least one reactive polymer selected from the group consisting of a cationic polyelectrolyte, a mixture of cationic and anionic polyelectrolytes, a polymer having an epoxy functionality, a polymer having a primary amino group, ~~polyvinyl alcohol,~~ and mixtures thereof and the at least one fusible polymer selected from the group consisting of an acrylate polymer or copolymer, ~~a methacrylate polymer or copolymer,~~ a copolymer of vinyl/vinylidene chloride, poly(styrene-co-butyl-acrylate), a polyester, a low melting polyolefin, a polyurethane, a polyether-ester elastomer, poly(vinyl acetate), an ethylene-vinyl acetate co-polymer, a vinyl ester polymer, a vinyl ester copolymer, and mixtures thereof, and wherein the at least one first polymer is selected to be reactive with a liquid binder and wherein the at least one second polymer is selected to be fusible at a temperature above the melting point or glass transition temperature of the at least one second polymer.

13. (Withdrawn) The powder system of claim 12, wherein the at least one first polymer powder comprises a single polymer.

14. (Withdrawn) The powder system of claim 13, wherein the single polymer is poly(ethylene-co-vinyl alcohol) or poly(ethylene co-methacrylic acid).

15-16. (Canceled)

17. (Previously presented) The powder system of claim 12, wherein the at least one reactive polymer is polyacrylic acid.

18. (Previously presented) The powder system of claim 12, wherein the at least one reactive polymer is present in the powder system from approximately 5% by weight to approximately 75% by weight.

19. (Canceled)

20. (Previously presented) The powder system of claim 12, wherein the at least one fusible polymer has a melting point or glass transition temperature ranging from approximately 50° C to approximately 250° C.

21. (Canceled)

22. (Previously presented) The powder system of claim 12, wherein the at least one fusible polymer is present in the powder system from approximately 25% by weight to approximately 95% by weight.

23. (Previously presented) The powder system of claim 12, wherein both the at least one first polymer powder and the at least one second polymer powder have a particle size ranging from approximately 15 μm to approximately 50 μm.

24-78. (Canceled)